

PATENT**PENDING CLAIMS AS AMENDED**

Please amend the claims as follows:

1. (Currently Amended) An apparatus for decoding an over-the-air transmission, comprising:

a memory element; and

a processing element configured to execute a set of instructions stored in the memory element, the set of instructions for:

setting a current set of transmission parameters equal to a previous set of transmission parameters;

decoding a received message first using the current set of transmission parameters;

if the current set of transmission parameters fails to decode the received message, then:

altering the previous set of transmission parameters by an increment to derive a new set of transmission parameters;

setting the current set of transmission parameters equal to the new set of transmission parameters; and

decoding the received message using the current set of transmission parameters; wherein the previous set of transmission parameters comprises a Walsh space.

2. (Cancelled)

3. (Currently Amended) The apparatus of Claim [[2]] 1, wherein altering the previous set of transmission parameters by an increment comprises adding a Walsh code sequence to the Walsh space.

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4. (Currently Amended) The apparatus of Claim [[2]] 1, wherein altering the previous set of transmission parameters by an increment comprises subtracting a Walsh code sequence from the Walsh space.

5. (Currently Amended) The apparatus of Claim [[2]] 1, wherein altering the previous set of transmission parameters comprises replacing the Walsh space with a neighboring Walsh space.

6. (Canceled)

7. (Canceled)

8. (Currently Amended) A method for decoding a transmission received over-the-air, comprising:

setting a current set of transmission parameters equal to a previous set of transmission parameters;

decoding a received transmission first using the current set of transmission parameters;

if the current set of transmission parameters fails to decode the received transmission, then:

altering the previous set of transmission parameters by an increment to derive a new set of transmission parameters;

setting the current set of transmission parameters equal to the new set of transmission parameters; and

decoding the received transmission using the current set of transmission parameters; wherein the previous set of transmission parameters comprises a Walsh space.

9. (Canceled)

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10. (Currently Amended) The method of Claim [[9]] 8, wherein altering the previous set of transmission parameters by an increment comprises adding a Walsh code sequence to the Walsh space.
11. (Currently Amended) The method of Claim [[9]] 8, wherein altering the previous set of transmission parameters by an increment comprises subtracting a Walsh code sequence from the Walsh space.
12. (Currently Amended) The method of Claim [[9]] 8, wherein altering the previous set of transmission parameters comprises replacing the Walsh space with a neighboring Walsh space.
13. (Canceled)